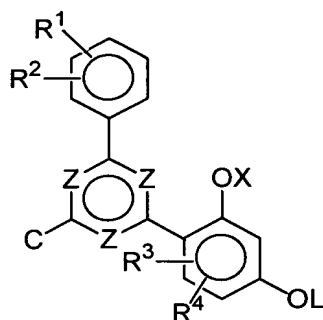


Amendment to the Claims

This listing of claims will replace all prior versions and listings of claims in the Application:

1. (currently amended): A compound of formula II



(II)

wherein each Z is nitrogen;

X is hydrogen or a blocking group selected from -COR^a, -SO₂R^b, -SiR^cR^dR^e, -PR^fR^g, -POR^fR^g, and -CONHR^h, wherein

R^a is a C₁-C₈ alkyl, halogen-substituted C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, C₁-C₁₂ alkoxy, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl;

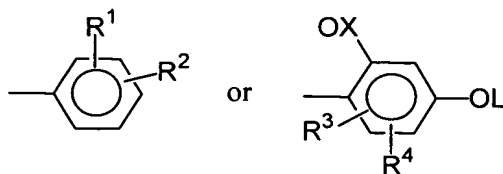
R^b is a C₁-C₁₂ alkyl, C₆-C₁₀ aryl and C₇-C₁₈ alkylaryl;

R^c, R^d, and R^e is independently selected from C₁-C₈ alkyl, cyclohexyl, phenyl or C₁-C₈ alkoxy,

R^f, and R^g is independently selected from C₁-C₁₂ alkoxy, C₁-C₁₂ alkyl, C₄-C₁₂ cycloalkyl, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl; and

R^h is a C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, or phenyl which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₂-C₈ alkenyl, C₁-C₄ alkoxy, halogen or benzyl

C is either



L is a

straight alkyl, branched alkyl or cycloalkyl of between 1 and 20 carbons optionally interrupted by one or more oxygen atoms, having one or more of the hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminating with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y wherein R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally have one or more of the hydrogens substituted for by a hydroxyl group;

each of R³ and R⁴ are independently a

hydrogen, hydrocarbyl, halogen, hydroxyl, cyano, -O(hydrocarbyl), -O(functional hydrocarbyl), -N(hydrocarbyl)(hydrocarbyl), -N(hydrocarbyl)(functional hydrocarbyl), -N(functional hydrocarbyl)(functional hydrocarbyl), -S(hydrocarbyl), -S(functional hydrocarbyl), -SO₂(hydrocarbyl), -SO₃(hydrocarbyl), -SO₂(functional hydrocarbyl), -SO₃(functional hydrocarbyl), -COO(hydrocarbyl), -COO(functional hydrocarbyl), -CO(hydrocarbyl), -CO(functional hydrocarbyl), -OCO(hydrocarbyl), -OCO(functional hydrocarbyl), -CONH₂, -CONH(hydrocarbyl), -CONH(functional hydrocarbyl), -CON(hydrocarbyl)(hydrocarbyl), -CON(functional hydrocarbyl)(hydrocarbyl), -CON(functional hydrocarbyl)(functional hydrocarbyl), or a hydrocarbyl group substituted by any of the above groups; and

each R¹ and R² is identical or different and is independently a hydrocarbyl group of between 1 and 20 carbons, wherein R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other.

Claims 2-3 (canceled)

4. (previously amended): The compound of claim 1, wherein R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with the nitrogen of an amine.

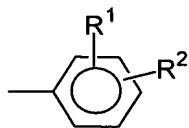
5. (original): The compound of claim 1, wherein each R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl.

6. (original): The compound of claim 5, wherein R^1 and R^2 are attached to the aromatic benzene ring at the 3 and 4 position relative to the point of attachment of the triazine ring.

7. (original): The compound of claim 5, wherein R^1 and R^2 are attached to the aromatic benzene ring at the 2 and 3 position relative to the point of attachment of the triazine ring.

Claim 8 (canceled)

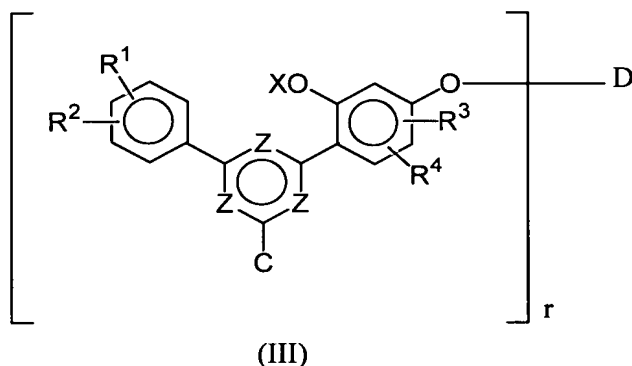
9. (previously amended): The compound of claim 6, wherein C is



10. (original): The compound of claim 9, wherein each R^1 and R^2 are methyl groups.

Claim 11 (canceled)

12. (currently amended): A compound of formula (III):



wherein each Z is nitrogen;

X is as defined in claim 1 hydrogen or a blocking group selected from $-\text{COR}^a$, $-\text{SO}_2\text{R}^b$, $-\text{SiR}^c\text{R}^d\text{R}^e$, $-\text{PR}^f\text{R}^g$, $-\text{POR}^f\text{R}^g$, and $-\text{CONHR}^h$, wherein

R^a is a C_1 - C_8 alkyl, halogen-substituted C_1 - C_8 alkyl, C_5 - C_{12} cycloalkyl, C_2 - C_8 alkenyl, $-\text{CH}_2\text{-CO-CH}_3$, C_1 - C_{12} alkoxy, and phenyl or phenoxy which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_1 - C_4 alkoxy, halogen or benzyl;

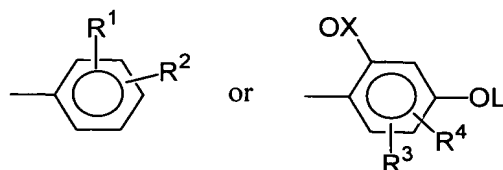
R^b is a C_1 - C_{12} alkyl, C_6 - C_{10} aryl and C_7 - C_{18} alkylaryl;

R^c , R^d , and R^e is independently selected from C_1 - C_8 alkyl, cyclohexyl, phenyl or C_1 - C_8 alkoxy,

R^f , and R^g is independently selected from C_1 - C_{12} alkoxy, C_1 - C_{12} alkyl, C_5 - C_{12} cycloalkyl, and phenyl or phenoxy which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_1 - C_4 alkoxy, halogen or benzyl; and

R^h is a C_1 - C_8 alkyl, C_5 - C_{12} cycloalkyl, C_2 - C_8 alkenyl, $-\text{CH}_2\text{-CO-CH}_3$, or phenyl which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_2 - C_8 alkenyl, C_1 - C_4 alkoxy, halogen or benzyl;

C is either



r is an integer between 2 and 4;

each of L is independently a

hydrogen, hydrocarbyl, $-\text{SO}_2(\text{hydrocarbyl})$, $-\text{SO}_3(\text{hydrocarbyl})$, $-\text{SO}_2(\text{functional hydrocarbyl})$, $-\text{SO}_3(\text{functional hydrocarbyl})$, $-\text{COO}(\text{hydrocarbyl})$, $-\text{COO}(\text{functional hydrocarbyl})$, $-\text{CO}(\text{hydrocarbyl})$, $-\text{CO}(\text{functional hydrocarbyl})$, $-\text{OCO}(\text{hydrocarbyl})$, $-\text{OCO}(\text{functional hydrocarbyl})$, $-\text{CONH}_2$, $-\text{CONH}(\text{hydrocarbyl})$, $-\text{CONH}(\text{functional hydrocarbyl})$, $-\text{CON}(\text{hydrocarbyl})(\text{hydrocarbyl})$, $-\text{CON}(\text{functional hydrocarbyl})(\text{hydrocarbyl})$, $-\text{CON}(\text{functional hydrocarbyl})(\text{functional hydrocarbyl})$, or a hydrocarbyl group substituted by any of the above groups;

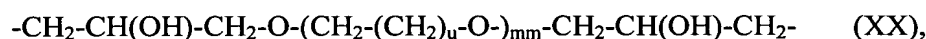
each of R^3 and R^4 are independently a

hydrogen, hydrocarbyl, halogen, hydroxyl, cyano, $\text{O}(\text{hydrocarbyl})$, $-\text{O}(\text{functional hydrocarbyl})$, $-\text{N}(\text{hydrocarbyl})(\text{hydrocarbyl})$, $-\text{N}(\text{hydrocarbyl})(\text{functional hydrocarbyl})$, $\text{N}(\text{functional hydrocarbyl})(\text{functional hydrocarbyl})$, $-\text{S}(\text{hydrocarbyl})$, $-\text{S}(\text{functional hydrocarbyl})$, $-\text{SO}_2(\text{hydrocarbyl})$, $-\text{SO}_3(\text{hydrocarbyl})$, $-\text{SO}_2(\text{functional hydrocarbyl})$, $-\text{SO}_3(\text{functional hydrocarbyl})$, $-\text{COO}(\text{hydrocarbyl})$, $-\text{COO}(\text{functional hydrocarbyl})$, $-\text{CO}(\text{hydrocarbyl})$, $-\text{CO}(\text{functional hydrocarbyl})$, $-\text{OCO}(\text{hydrocarbyl})$, $-\text{OCO}(\text{functional hydrocarbyl})$, $-\text{CONH}_2$, $-\text{CONH}(\text{hydrocarbyl})$, $-\text{CONH}(\text{functional hydrocarbyl})$, $-\text{CON}(\text{hydrocarbyl})(\text{hydrocarbyl})$, $-\text{CON}(\text{functional hydrocarbyl})(\text{hydrocarbyl})$, $-\text{CON}(\text{functional hydrocarbyl})(\text{functional hydrocarbyl})$, or a hydrocarbyl group substituted by any of the above groups;

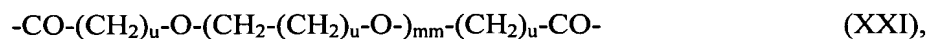
each R¹ and R² is identical or different and is independently a hydrocarbyl group of between 1 and 20 carbons, wherein R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

D, when r is 2, is selected from the group consisting of C₁-C₁₆ alkylene, C₄-C₁₂ alkenylene, xylylene, C₄-C₂₀ alkylene which is interrupted by one or more oxygen atoms, hydroxy-substituted C₃ C₂₀ alkyl which is interrupted by one or more oxygen atoms, —CH₂CH(OH)CH₂O—R¹⁵—OCH₂CH(OH)CH₂—, —CO—R¹⁶—CO—, —CO—NH—R¹⁷—NH—CO—, —(CH₂)_s—COO—R¹⁸—OCO—(CH₂)_s—

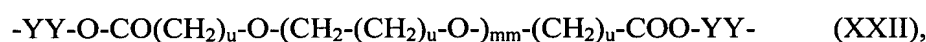
a polyoxyalkylene bridge member of the formula XX



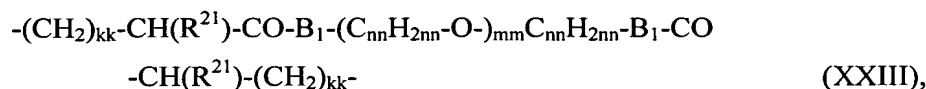
a polyoxyalkylene bridge member of the formula XXI



a polyoxyalkylene bridge member of the formula XXII



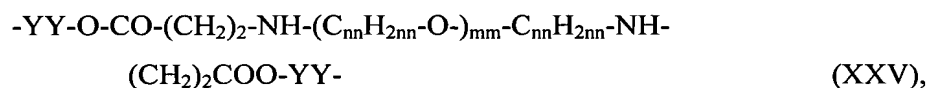
a polyoxyalkylene bridge member of the formula XXIII



a polyoxyalkylene bridge member of the formula XXIV



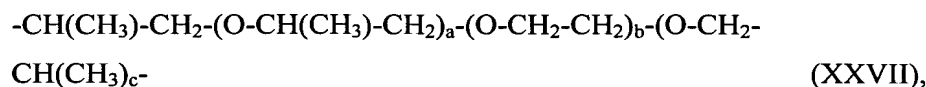
a polyoxyalkylene bridge member of the formula XXV



a polyoxyalkylene bridge member of the formula XXVI



and a polyoxyalkylene bridge member of the formula XXVII

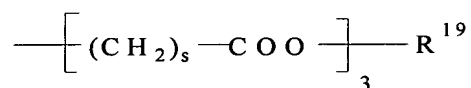


wherein a + c = 2.5 and b = 8.5 to 40.5 or a + c = 2 to 33 and b = 0,

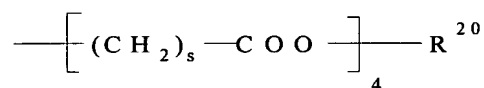
R¹⁵ is C₂-C₁₀ alkylene, C₂-C₁₀ oxaalkylene or C₂-C₁₀ dithiaalkylene, phenylene, naphthylene, diphenylene, or C₂-C₆ alkenylene, or phenylene-XX-phenylene wherein XX is —O—, —S—, —SO₂—, —CH₂—, or —C(CH₃)₂—;

R^{16} is C_2 - C_{10} alkylene, C_2 - C_{10} oxaalkylene or C_2 - C_{10} dithiaalkylene,
 phenylene, naphthylene, diphenylene, or C_2 - C_6 alkenylene
 provided that when r is 3 the alkenylene has at least 3 carbons;
 R^{17} is C_2 - C_{10} alkylene, phenylene, naphthylene, diphenylene, or
 C_2 - C_6 alkenylene, methylenediphenylene, or C_4 - C_{15}
 alkylphenylene; and
 R^{18} is C_2 - C_{10} alkylene, or C_4 - C_{20} alkylene interrupted by one or more
 oxygen atoms;
 R^{21} is hydrogen or C_1 - C_{16} alkyl;
 YY is unsubstituted or substituted C_2 - C_{20} alkyl;
 B_1 is NH or O;
 kk is zero or an integer from 1-16;
 mm is an integer from 2 to 60;
 nn is an integer from 2 to 6;
 s is 1-6;
 u is an integer from 1 to 4;

when r is 3, D is



and when r is 4, D is



wherein R^{19} is C_3 - C_{10} alkanetriyl and R^{20} is C_4 - C_{10} alkanetetryl.

13. (original): The compound of claim 12, wherein r is 2 and D is an alkyl chain of between 1 and 10 carbons or ---CO-P-CO--- , wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring wherein the carbonyl groups are meta or para to each other.

14. (previously amended): The compound of claim 13, wherein R^3 and R^4 is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with the nitrogen of an amine.

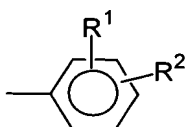
15. (original): The compound of claim 13, wherein R^1 and R^2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl.

16. (original): The compound of claim 15, wherein R^1 and R^2 are attached to the aromatic benzene ring at the 3 and 4 position relative to the point of attachment of the triazine ring.

17. (original): The compound of claim 15, wherein R^1 and R^2 are attached to the aromatic benzene ring at the 2 and 3 position relative to the point of attachment of the triazine ring.

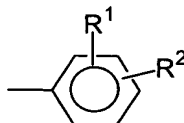
Claim 18 (canceled)

19. (original): The compound of claim 13, wherein C is



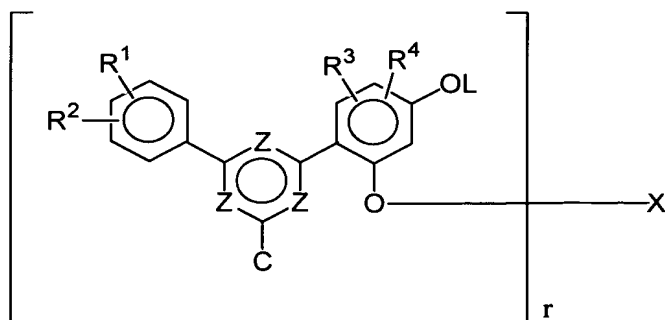
20. (original): The compound of claim 19, wherein each R^1 and R^2 are methyl groups.

21. (previously amended): The compound of claim 13, wherein X is hydrogen; C is



each R_1 and R_2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl; and R^3 and R^4 are each hydrogen.

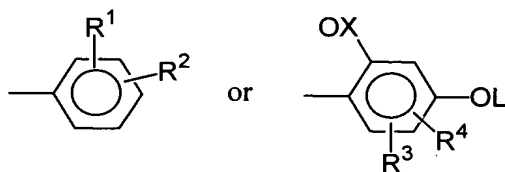
22. (currently amended): A compound of formula (IV):



(IV)

wherein each Z is nitrogen;

C is either



wherein X is ~~as defined in claim 1~~ hydrogen or a blocking group selected from -COR^a, -SO₂R^b, -SiR^cR^dR^e, -PR^fR^g, -POR^fR^g, and -CONHR^h, wherein

R^a is a C₁-C₈ alkyl, halogen-substituted C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, C₁-C₁₂ alkoxy, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl;

R^b is a C₁-C₁₂ alkyl, C₆-C₁₀ aryl and C₇-C₁₈ alkylaryl;

R^c, R^d, and R^e is independently selected from C₁-C₈ alkyl, cyclohexyl, phenyl or C₁-C₈ alkoxy,

R^f, and R^g is independently selected from C₁-C₁₂ alkoxy, C₁-C₁₂ alkyl, C₅-C₁₂ cycloalkyl, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl; and

R^h is a C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, or phenyl which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₂-C₈ alkenyl, C₁-C₄ alkoxy, halogen or benzyl;

r is an integer between 2 and 4;

each of L is independently a

hydrogen, hydrocarbyl, -SO₂(hydrocarbyl), -SO₃(hydrocarbyl), -SO₂(functional hydrocarbyl), -SO₃(functional hydrocarbyl), -COO(hydrocarbyl), -COO(functional hydrocarbyl), -CO(hydrocarbyl), -CO(functional hydrocarbyl), -OCO(hydrocarbyl), -OCO(functional hydrocarbyl), -CONH₂, -CONH(hydrocarbyl), -CONH(functional hydrocarbyl), -CON(hydrocarbyl)(hydrocarbyl), -CON(functional hydrocarbyl)(hydrocarbyl), -CON(functional hydrocarbyl)(functional hydrocarbyl), or a hydrocarbyl group substituted by any of the above groups;

each of R³ and R⁴ are independently a

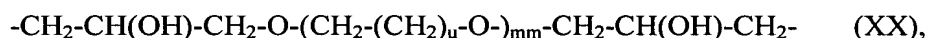
hydrogen, hydrocarbyl, halogen, hydroxyl, cyano, -O(hydrocarbyl), -O(functional hydrocarbyl), -N(hydrocarbyl)(hydrocarbyl), -N(hydrocarbyl)(functional hydrocarbyl), -N(functional hydrocarbyl)(functional

hydrocarbyl), -S(hydrocarbyl), -S(functional hydrocarbyl), -SO₂(hydrocarbyl), -SO₃(hydrocarbyl), -SO₂(functional hydrocarbyl), -SO₃(functional hydrocarbyl), -COO(hydrocarbyl), -COO(functional hydrocarbyl), -CO(hydrocarbyl), -CO(functional hydrocarbyl), -OCO(hydrocarbyl), -OCO(functional hydrocarbyl), -CONH₂, -CONH(hydrocarbyl), -CONH(functional hydrocarbyl), -CON(hydrocarbyl)(hydrocarbyl), -CON(functional hydrocarbyl)(hydrocarbyl), -CON(functional hydrocarbyl)(functional hydrocarbyl), or a hydrocarbyl group substituted by any of the above groups;

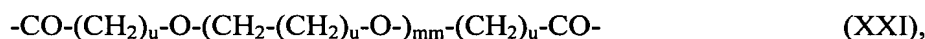
each R¹ and R² is identical or different and is independently a hydrocarbyl group of between 1 and 20 carbons, wherein R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

X' when r is 2, is selected from the group consisting of C₁-C₁₆ alkylene, C₄-C₁₂ alkenylene, xylylene, C₄-C₂₀ alkylene which is interrupted by one or more oxygen atoms, hydroxy-substituted C₃ C₂₀ alkyl which is interrupted by one or more oxygen atoms, —CH₂CH(OH)CH₂O—R¹⁵—OCH₂CH(OH)CH₂—, —CO—R¹⁶—CO—, —CO—NH—R¹⁷—NH—CO—, —(CH₂)_s—COO—R¹⁸—OCO—(CH₂)_s—

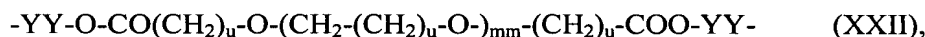
a polyoxyalkylene bridge member of the formula XX



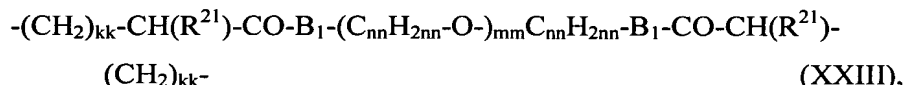
a polyoxyalkylene bridge member of the formula XXI



a polyoxyalkylene bridge member of the formula XXII



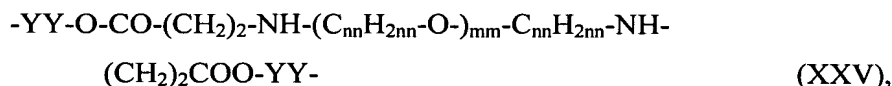
a polyoxyalkylene bridge member of the formula XXIII



a polyoxyalkylene bridge member of the formula XXIV



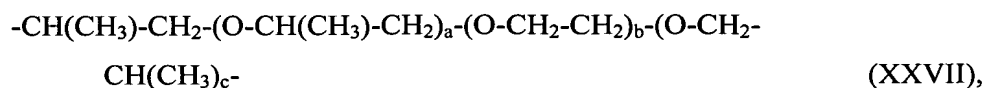
a polyoxyalkylene bridge member of the formula XXV



a polyoxyalkylene bridge member of the formula XXVI



and a polyoxyalkylene bridge member of the formula XXVII



wherein $a + c = 2.5$ and $b = 8.5$ to 40.5 or $a + c = 2$ to 33 and $b = 0$,

R^{15} is $\text{C}_2\text{-C}_{10}$ alkylene, $\text{C}_2\text{-C}_{10}$ oxaalkylene or $\text{C}_2\text{-C}_{10}$ dithiaalkylene, phenylene, naphthylene, diphenylene, or $\text{C}_2\text{-C}_6$ alkenylene, or phenylene-XX-phenylene wherein XX is $-\text{O}-$, $-\text{S}-$, $-\text{SO}_2-$, $-\text{CH}_2-$, or $-\text{C}(\text{CH}_3)_2-$;

R^{16} is $\text{C}_2\text{-C}_{10}$ alkylene, $\text{C}_2\text{-C}_{10}$ oxaalkylene or $\text{C}_2\text{-C}_{10}$ dithiaalkylene, phenylene, naphthylene, diphenylene, or $\text{C}_2\text{-C}_6$ alkenylene provided that when r is 3 the alkenylene has at least 3 carbons;

R^{17} is $\text{C}_2\text{-C}_{10}$ alkylene, phenylene, naphthylene, diphenylene, or $\text{C}_2\text{-C}_6$ alkenylene, methylenediphenylene, or $\text{C}_4\text{-C}_{15}$ alkylphenylene; and

R^{18} is $\text{C}_2\text{-C}_{10}$ alkylene, or $\text{C}_4\text{-C}_{20}$ alkylene interrupted by one or more oxygen atoms;

R^{21} is hydrogen or $\text{C}_1\text{-C}_{16}$ alkyl;

YY is unsubstituted or substituted $\text{C}_2\text{-C}_{20}$ alkyl;

B_1 is NH or O;

kk is zero or an integer from 1-16;

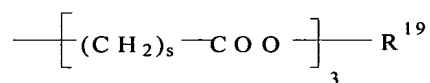
mm is an integer from 2 to 60;

nn is an integer from 2 to 6;

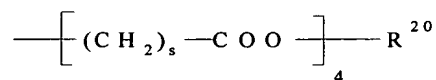
s is 1-6;

u is an integer from 1 to 4;

when r is 3, X' is



and when r is 4, X' is



wherein R^{19} is C_3C_{10} alkanetriyl and R^{20} is C_4C_{10} alkanetetryl.

23. (original): The compound of claim 22, wherein r is 2 and X' is an alkyl chain of between 1 and 10 carbons or $-\text{CO}-\text{P}-\text{CO}-$, wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring wherein the carbonyl groups are meta or para to each other.

24. (previously amended): The compound of claim 23, wherein R^3 and R^4 is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with the nitrogen of an amine.

25. (original): The compound of claim 23, wherein L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of the hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure $-\text{CO}-\text{M}$, wherein M is a OR^x or NR^xR^y , wherein R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group.

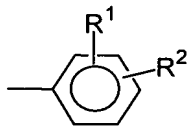
26. (original): The compound of claim 23, wherein R^1 and R^2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl.

27. (original): The compound of claim 26, wherein R^1 and R^2 are attached to the aromatic benzene ring at the 3 and 4 position relative to the point of attachment of the triazine ring.

28. (original): The compound of claim 26, wherein R^1 and R^2 are attached to the aromatic benzene ring at the 2 and 3 position relative to the point of attachment of the triazine ring.

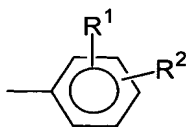
Claim 29 (canceled)

30. (previously amended): The compound of claim 27, wherein C is



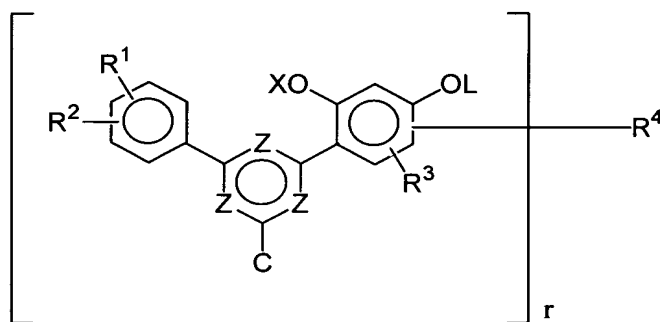
31. (original): The compound of claim 30, wherein each R^1 and R^2 are methyl groups.

32. (previously amended): The compound of claim 23, wherein X is hydrogen; C is



each R₁ and R₂ is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl; and R³ and R⁴ are each hydrogen.

33. (currently amended): A compound of formula (V):



(V)

wherein each Z is nitrogen;

X is ~~as defined in claim 1~~ hydrogen or a blocking group selected from -COR^a, -SO₂R^b, -SiR^cR^dR^e, -PR^fR^g, -POR^fR^g, and -CONHR^h, wherein

R^a is a C₁-C₈ alkyl, halogen-substituted C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, C₁-C₁₂ alkoxy, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl;

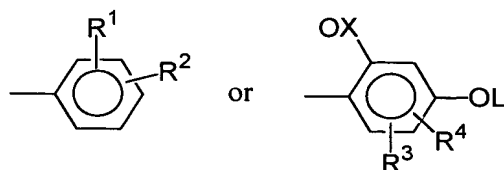
R^b is a C₁-C₁₂ alkyl, C₆-C₁₀ aryl and C₇-C₁₈ alkylaryl;

R^c, R^d, and R^e is independently selected from C₁-C₈ alkyl, cyclohexyl, phenyl or C₁-C₈ alkoxy,

R^f, and R^g is independently selected from C₁-C₁₂ alkoxy, C₁-C₁₂ alkyl, C₅-C₁₂ cycloalkyl, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl; and

R^h is a C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, or phenyl which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₂-C₈ alkenyl, C₁-C₄ alkoxy, halogen or benzyl;

C is



r is 2;

each of L is independently a

hydrogen, hydrocarbyl, -SO₂(hydrocarbyl), -SO₃(hydrocarbyl), -SO₂(functional hydrocarbyl), -SO₃(functional hydrocarbyl), -COO(hydrocarbyl), -COO(functional hydrocarbyl), -CO(hydrocarbyl), -CO(functional hydrocarbyl), -OCO(hydrocarbyl), OCO(functional hydrocarbyl), -CONH₂, -CONH(hydrocarbyl), -CONH(functional hydrocarbyl), -CON(hydrocarbyl)(hydrocarbyl), -CON(functional hydrocarbyl)(hydrocarbyl), -CON(functional hydrocarbyl)(functional hydrocarbyl), or a hydrocarbyl group substituted by any of the above groups;

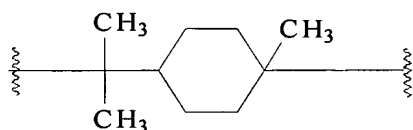
each of R³ is independently a

hydrogen, hydrocarbyl, halogen, hydroxyl, cyano, -O(hydrocarbyl), -O(functional hydrocarbyl), -N(hydrocarbyl)(hydrocarbyl), -N(hydrocarbyl)(functional hydrocarbyl), -N(functional hydrocarbyl)(functional hydrocarbyl), -S(hydrocarbyl), -S(functional hydrocarbyl), -SO₂(hydrocarbyl), -SO₃(hydrocarbyl), -SO₂(functional hydrocarbyl), -SO₃(functional hydrocarbyl), -COO(hydrocarbyl), -COO(functional hydrocarbyl), -CO(hydrocarbyl), -CO(functional hydrocarbyl), -OCO(hydrocarbyl), -OCO(functional hydrocarbyl), -CONH₂, -CONH(hydrocarbyl), -CONH(functional hydrocarbyl), -CON(hydrocarbyl)(hydrocarbyl), -CON(functional hydrocarbyl)(hydrocarbyl), -CON(functional hydrocarbyl)(functional hydrocarbyl), or a hydrocarbyl group substituted by any of the above groups;

each R¹ and R² is identical or different and is independently a hydrocarbyl group of between 1 and 20 carbons, wherein R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other; and

R⁴ is selected from the group consisting of straight chain alkyl of 1 to 12 carbon atoms, branched chain alkyl of 1 to 12 carbon atoms, cycloalkyl of 5 to 12 carbon atoms, alkyl substituted by cyclohexyl, alkyl interrupted by cyclohexyl, alkyl

substituted by phenylene, alkyl interrupted by phenylene, benzylidene, —S—, —S—S—, —S—E—S—, —SO—, —SO₂—, —SO—E—SO—, —SO₂—E—SO₂—, —CH₂—NH—E—NH—CH₂—, and



wherein E is selected from the group consisting of alkyl of 2 to 12 carbon atoms, cycloalkyl of 5 to 12 carbon atoms, alkyl interrupted by cyclohexyl of 8 to 12 carbon atoms, and alkyl terminated by cyclohexyl of 8 to 12 carbon atoms.

34. (original): The compound of claim 33, wherein R⁴ is -CH₂-.

35. (previously amended): The compound of claim 33, wherein R³ is selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with ~~an~~ a ~~the~~ a nitrogen of an amine.

36. (original): The compound of claim 33, wherein L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of the hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x or NR^xR^y, wherein R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group.

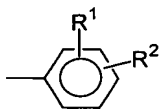
37. (original): The compound of claim 33, wherein R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl.

38. (original): The compound of claim 37, wherein R¹ and R² are attached to the aromatic benzene ring at the 3 and 4 position relative to the point of attachment of the triazine ring.

39. (original): The compound of claim 37, wherein R¹ and R² are attached to the aromatic benzene ring at the 2 and 3 position relative to the point of attachment of the triazine ring.

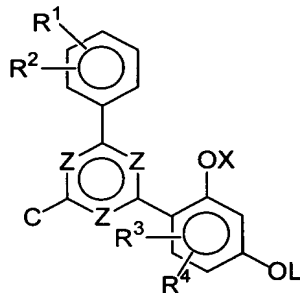
Claim 40 (canceled)

41. (previously amended): The compound of claim 34, wherein ; X is hydrogen; C is



each R₁ and R₂ is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl; and R³ is a hydrogen.

42. (currently amended): A polymeric article comprising at least one polymeric material and a sufficient amount of a stabilizing composition to inhibit at least one of photo or thermal degradation, wherein the stabilizer composition comprises one or more compounds of structure (II) - (V), wherein compound (II) has the structure:



(II)

wherein each Z is nitrogen;

~~X is as defined in claim 1~~ hydrogen or a blocking group selected from -COR^a, -SO₂R^b, -SiR^cR^dR^e, -PR^fR^g, -POR^fR^g, and -CONHR^h, wherein

R^a is a C₁-C₈ alkyl, halogen-substituted C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, C₁-C₁₂ alkoxy, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl;

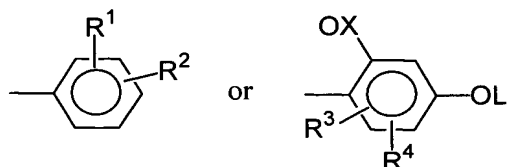
R^b is a C₁-C₁₂ alkyl, C₆-C₁₀ aryl and C₇-C₁₈ alkylaryl;

R^c, R^d, and R^e is independently selected from C₁-C₈ alkyl, cyclohexyl, phenyl or C₁-C₈ alkoxy.

R^f, and R^g is independently selected from C₁-C₁₂ alkoxy, C₁-C₁₂ alkyl, C₅-C₁₂ cycloalkyl, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl; and

R^h is a C_1 - C_8 alkyl, C_5 - C_{12} cycloalkyl, C_2 - C_8 alkenyl, $-\text{CH}_2\text{-CO-CH}_3$, or phenyl which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_2 - C_8 alkenyl, C_1 - C_4 alkoxy, halogen or benzyl;

C is

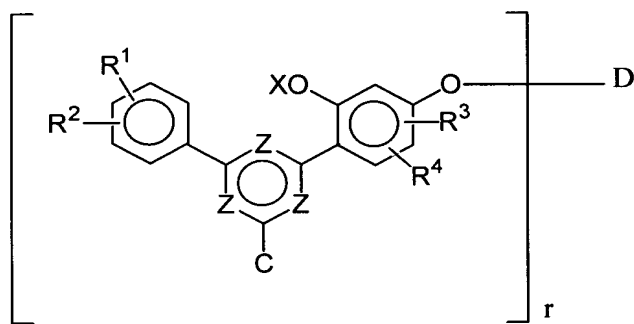


L is an alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure $-\text{CO-M}$, wherein M is a OR^x , NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group;

R^3 and R^4 is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~the~~ nitrogen of an amine; and

each R^1 and R^2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl and R^1 and R^2 are attached to an aromatic benzene ring so that they are ortho to each other;

compound (III) has the structure:

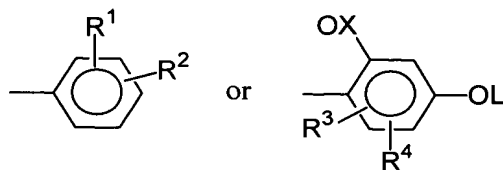


(III)

wherein each Z is nitrogen;

X is defined above; ~~as defined in claim 1~~;

C is

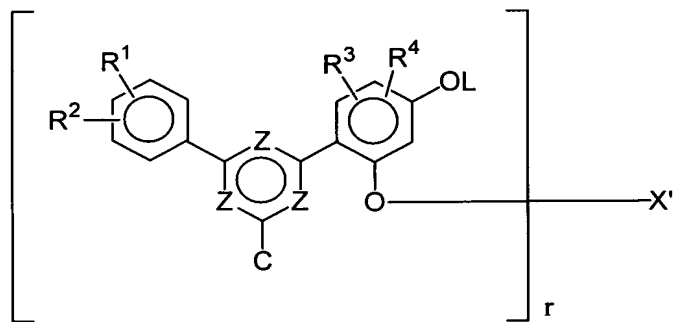


r is 2 and D is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-, wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring wherein the carbonyl groups are meta or para to each other;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine; and

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

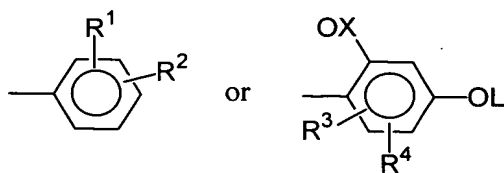
Compound (IV) has the structure:



(IV)

wherein each Z is nitrogen;

C is



wherein r is 2 and X' is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-,

wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring

wherein the carbonyl groups are meta or para to each other;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons

wherein one or more of the hydrogens in the alkyl chain may optionally be

substituted with an ~~an~~ the nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally

interrupted by one or more oxygen atoms, has one or more of hydrogens in the

alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl

functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y and R^x

and R^y are independently hydrogen or an alkyl group of between 1 and 8

carbons that optionally may have one or more of the hydrogens substituted for

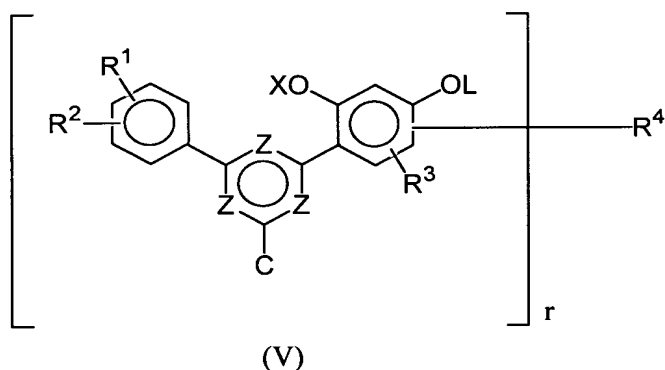
by a hydroxyl group;

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl

and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to

each other;

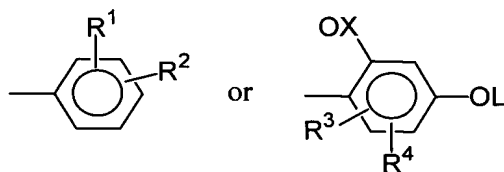
and compound (V) has the structure:



wherein each Z is nitrogen

X is defined above; ~~as defined in claim 1~~;

C is



r is 2;

R⁴ is -CH₂-;

R³ is selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group; and

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other.

43. (original): The polymeric article of claim 42, wherein the amount of stabilizer composition is from about 0.01 to about 20 percent by weight of the polymeric material.

44. (previously amended): The polymeric article of claim 42, wherein the polymeric material is selected from the group consisting of polyolefins; polyesters; polyethers; polyketones; polyamides; natural and synthetic rubbers; polystyrenes; high-impact polystyrenes; polyacrylates; polymethacrylates; polyacetals; polyacrylonitriles; polybutadienes; polystyrenes; ABS; SAN (styrene acrylonitrile); ASA (acrylate styrene acrylonitrile); cellulosic acetate butyrate; cellulosic polymers; polyimides; polyamideimides; polyetherimides; polyphenylsulfides; PPO; polysulfones; polyethersulfones; polyvinylchlorides; polycarbonates; polyketones; aliphatic polyketones; thermoplastic TPO's; aminoresin crosslinked polyacrylates and polyesters; polyisocyanate crosslinked polyesters and polyacrylates; phenol/formaldehyde, urea/formaldehyde, and melamine/formaldehyde resins; drying and non-drying alkyd resins; alkyd resins; polyester resins; acrylate resins cross-linked with melamine resins, urea resins, isocyanates, isocyanurates, and epoxy resins; cross-linked epoxy resins derived from aliphatic, cycloaliphatic, heterocyclic and aromatic glycidyl compounds which are cross-linked with anhydrides or amines; polysiloxanes; Michael addition polymers of amines or blocked amines with activated unsaturated and methylene compounds, ketimines with activated unsaturated and methylene compounds, polyketimines in combination with unsaturated acrylic polyacetoacetate

resins, and polyketimines in combination with unsaturated acrylic resins; radiation curable compositions; epoxymelamine resins; organic dyes; cosmetic products; cellulose-based paper formulations; photographic film paper; ink; and blends thereof.

45. (original): The polymeric article of claim 42, wherein the one or more compounds is chemical bonded to the polymer.

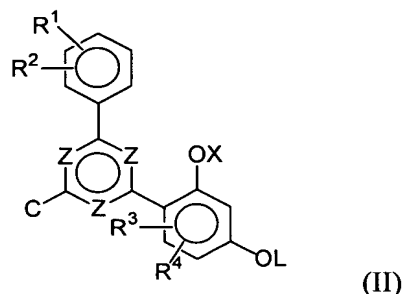
46. (original): The polymeric article of claim 42, wherein the stabilizer composition further comprises one or more hindered amine light stabilizers.

47. (original): The polymeric article of claim 42, wherein the stabilizer composition further comprises one or more additional UV light absorbers selected from the group consisting of a benzotriazole, a triazine, a benzophenone, and mixtures thereof.

48. (original): The polymeric article of claim 42, wherein the stabilizer composition further comprises at least one additional additive.

49. (original): The polymeric article of claim 48, wherein the additive is selected from the group consisting of: antioxidants, ultraviolet light absorbers, ultraviolet light stabilizers, metal deactivators, phosphites, phosphonites, hydroxylamines, nitrones, thiosynergists, peroxide scavengers, polyamide stabilizers, nucleating agents, fillers, reinforcing agents, plasticizers, lubricants, emulsifiers, pigments, rheological additives, flameproofing agents, antistatic agents, blowing agents, benzofuranones and indolinones.

50. (currently amended): A multilayer polymeric article comprising a polymeric article having at least one surface and a thin film of polymer composition applied to the at least one surface that comprises a sufficient amount of at least one compound of formula (II) - (V) to inhibit at least one of photo or thermal degradation, wherein compound (II) has the structure:



wherein each Z is nitrogen;

X is ~~as defined in claim 1~~ hydrogen or a blocking group selected from $-\text{COR}^a$, $-\text{SO}_2\text{R}^b$, $-\text{SiR}^c\text{R}^d\text{R}^e$, $-\text{PR}^f\text{R}^g$, $-\text{POR}^f\text{R}^g$, and $-\text{CONHR}^h$, wherein

R^a is a C_1 - C_8 alkyl, halogen-substituted C_1 - C_8 alkyl, C_5 - C_{12} cycloalkyl, C_2 - C_8 alkenyl, $-\text{CH}_2\text{-CO-CH}_3$, C_1 - C_{12} alkoxy, and phenyl or phenoxy which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_1 - C_4 alkoxy, halogen or benzyl;

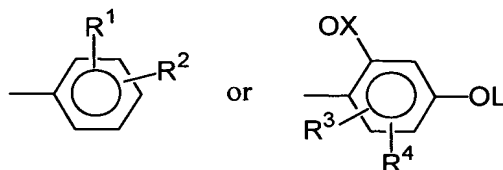
R^b is a C_1 - C_{12} alkyl, C_6 - C_{10} aryl and C_7 - C_{18} alkylaryl;

R^c , R^d , and R^e is independently selected from C_1 - C_8 alkyl, cyclohexyl, phenyl or C_1 - C_8 alkoxy,

R^f and R^g is independently selected from C_1 - C_{12} alkoxy, C_1 - C_{12} alkyl, C_5 - C_{12} cycloalkyl, and phenyl or phenoxy which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_1 - C_4 alkoxy, halogen or benzyl; and

R^h is a C_1 - C_8 alkyl, C_5 - C_{12} cycloalkyl, C_2 - C_8 alkenyl, $-\text{CH}_2\text{-CO-CH}_3$, or phenyl which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_2 - C_8 alkenyl, C_1 - C_4 alkoxy, halogen or benzyl;

C is

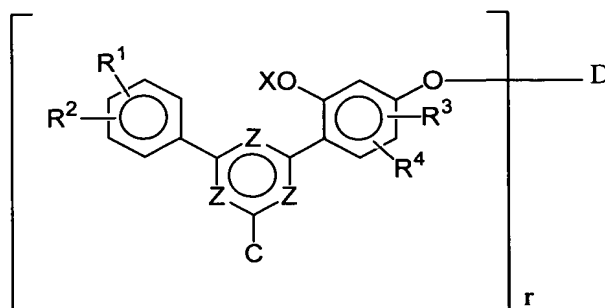


L is an alkyl chain between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure $-\text{CO-M}$, wherein M is a OR^x , NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group;

R^3 and R^4 is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine; and

each R^1 and R^2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl and R^1 and R^2 are attached to an aromatic benzene ring so that they are ortho to each other;

compound (III) has the structure:

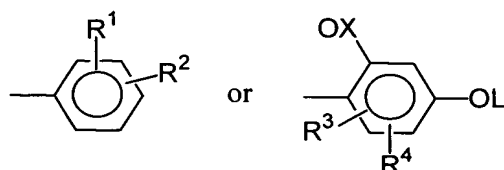


(III)

wherein each Z is nitrogen;

X is defined above; ~~as defined in claim 1~~;

C is

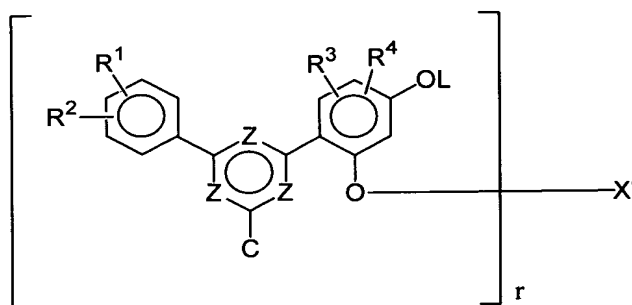


r is 2 and D is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-, wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring wherein the carbonyl groups are meta or para to each other;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an the nitrogen of an amine; and

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

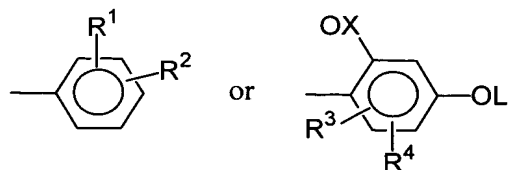
compound (IV) has the structure:



(IV)

wherein each Z is nitrogen;

C is



wherein r is 2 and X' is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-,

wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring

wherein the carbonyl groups are meta or para to each other;

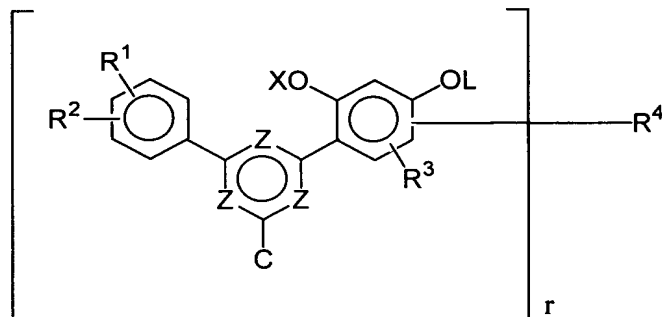
R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons

wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group;

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

and compound (V) has the structure:

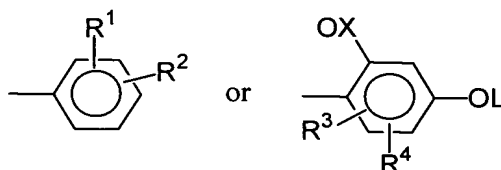


(V)

wherein each Z is nitrogen;

X is defined above; ~~as defined in claim 1~~;

C is



r is 2;

R⁴ is -CH₂-;

R³ is selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with ~~an~~ the nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group; and

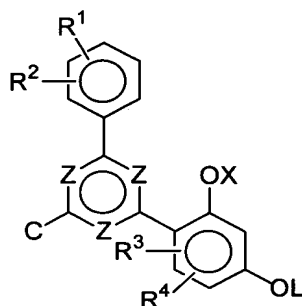
R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other.

51. (original): The multilayer polymeric article of claim 50, wherein the thin film is applied to each surface of the polymeric article.

52. (original): The multilayer polymeric article of claim 50, wherein the amount of the compound is from about 0.1 to 20 percent by weight of the thin film.

53. (original): The multilayer polymeric article of claim 50, wherein the thin film is from about 5 to 500 μm in thickness.

54. (currently amended) A coating comprising a sufficient amount of at least one compound of formula (II) - (V) to inhibit at least one of photo or thermal degradation, wherein compound (II) has the structure:



(II)

wherein each Z is nitrogen;

X is ~~as defined in claim 1~~ hydrogen or a blocking group selected from -COR^a, -SO₂R^b, -SiR^cR^dR^e, -PR^fR^g, -POR^fR^g, and -CONHR^h, wherein

R^a is a C₁-C₈ alkyl, halogen-substituted C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, C₁-C₁₂ alkoxy, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl;

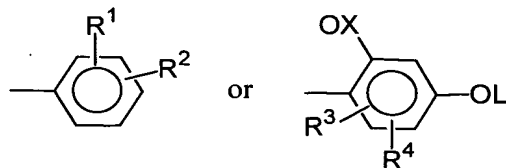
R^b is a C₁-C₁₂ alkyl, C₆-C₁₀ aryl and C₇-C₁₈ alkylaryl;

R^c, R^d, and R^e is independently selected from C₁-C₈ alkyl, cyclohexyl, phenyl or C₁-C₈ alkoxy,

R^f, and R^g is independently selected from C₁-C₁₂ alkoxy, C₁-C₁₂ alkyl, C₅-C₁₂ cycloalkyl, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl; and

R^h is a C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, or phenyl which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₂-C₈ alkenyl, C₁-C₄ alkoxy, halogen or benzyl;

C is

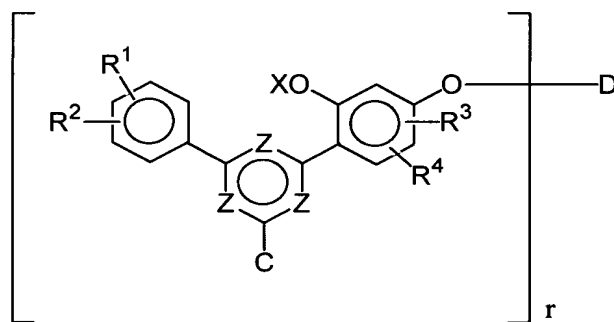


L is an alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x , NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group;

R^3 and R^4 is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an amino nitrogen of an amine; and

each R^1 and R^2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl and R^1 and R^2 are attached to an aromatic benzene ring so that they are ortho to each other;

compound (III) has the structure:

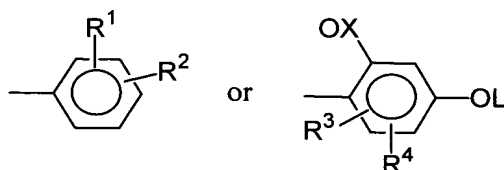


(III)

wherein each Z is nitrogen;

X₁ is defined above; ~~as defined in claim 1;~~

C is

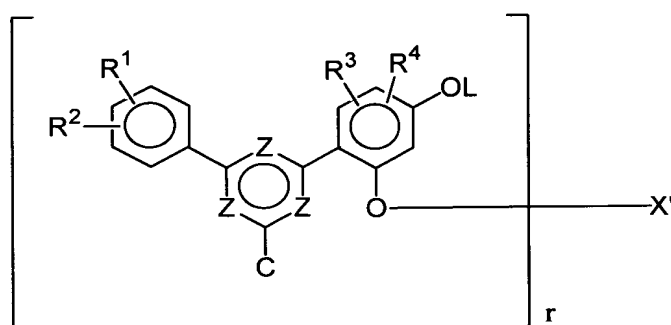


r is 2 and D is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-, wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring wherein the carbonyl groups are meta or para to each other;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine; and

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

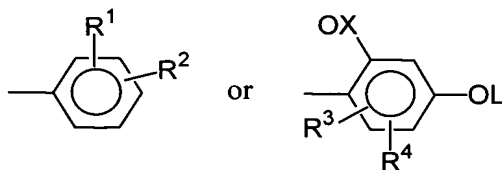
compound (IV) has the structure:



(IV)

wherein each Z is nitrogen;

C is



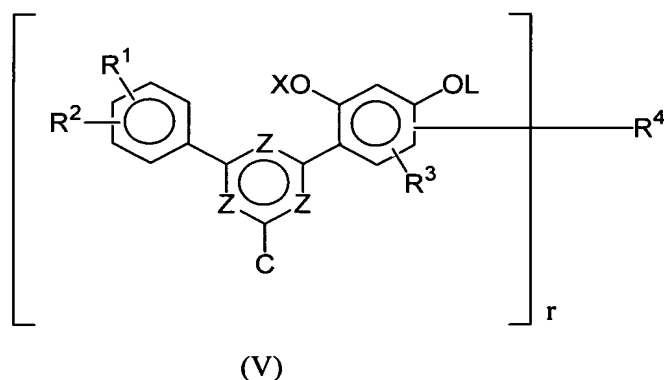
wherein r is 2 and X' is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-, wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring wherein the carbonyl groups are meta or para to each other;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group;

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

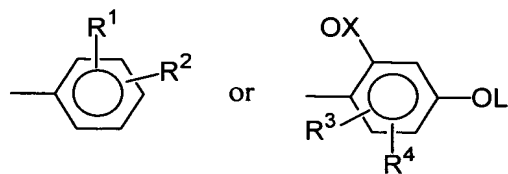
and compound (V) has the structure:



wherein each Z is nitrogen;

X is defined above; ~~as defined in claim 1~~;

C is



r is 2;

R⁴ is -CH₂-;

R³ is selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with ~~an~~ the nitrogen of an amine;

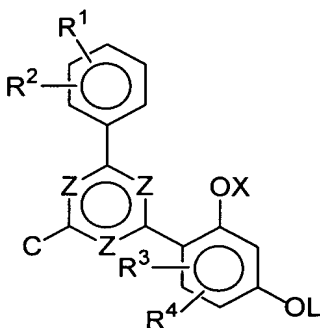
L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the

alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x , NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group; and

R^1 and R^2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl and R^1 and R^2 are attached to an aromatic benzene ring so that they are ortho to each other.

55. (original): The coating of claim 54, wherein the amount of the at least one compound is from about 0.01 to 20 percent by weight of the coating.

56. (currently amended): A concentrate comprising a polymeric resin and from about 2.5 to about 25 percent of at least one compound of formula (II) - (V), wherein compound (II) has the structure:



(II)

wherein each Z is nitrogen;

X is as defined in claim 1—hydrogen or a blocking group selected from $-COR^a$, $-SO_2R^b$, $-SiR^cR^dR^e$, $-PR^fR^g$, $-POR^fR^g$, and $-CONHR^h$, wherein

R^a is a C_1 - C_8 alkyl, halogen-substituted C_1 - C_8 alkyl, C_5 - C_{12} cycloalkyl, C_2 - C_8 alkenyl, $-CH_2-CO-CH_3$, C_1 - C_{12} alkoxy, and phenyl or phenoxy which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_1 - C_4 alkoxy, halogen or benzyl;

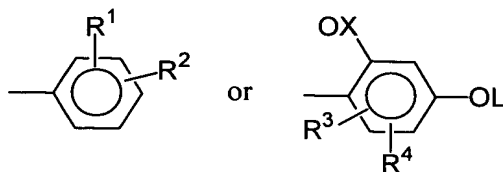
R^b is a C_1 - C_{12} alkyl, C_6 - C_{10} aryl and C_7 - C_{18} alkylaryl;

R^c , R^d , and R^e is independently selected from C_1 - C_8 alkyl, cyclohexyl, phenyl or C_1 - C_8 alkoxy,

R^f , and R^g is independently selected from C_1 - C_{12} alkoxy, C_1 - C_{12} alkyl, C_5 - C_{12} cycloalkyl, and phenyl or phenoxy which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_1 - C_4 alkoxy, halogen or benzyl; and

R^h is a C_1 - C_8 alkyl, C_5 - C_{12} cycloalkyl, C_2 - C_8 alkenyl, $-CH_2-CO-CH_3$, or phenyl which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_2 - C_8 alkenyl, C_1 - C_4 alkoxy, halogen or benzyl;

C is

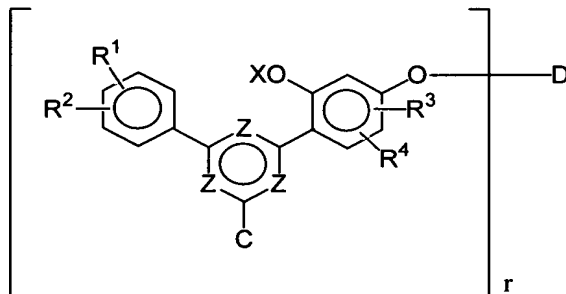


L is an alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure $-CO-M$, wherein M is a OR^x , NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group;

R^3 and R^4 is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ ^{the} nitrogen of an amine; and

each R^1 and R^2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl and R^1 and R^2 are attached to an aromatic benzene ring so that they are ortho to each other;

compound (III) has the structure:

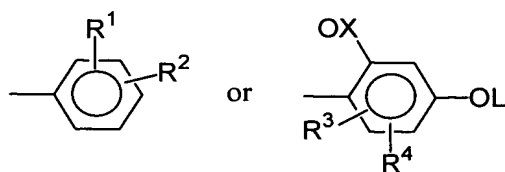


(III)

wherein each Z is nitrogen;

X is defined above ~~as defined in claim 1;~~

C is

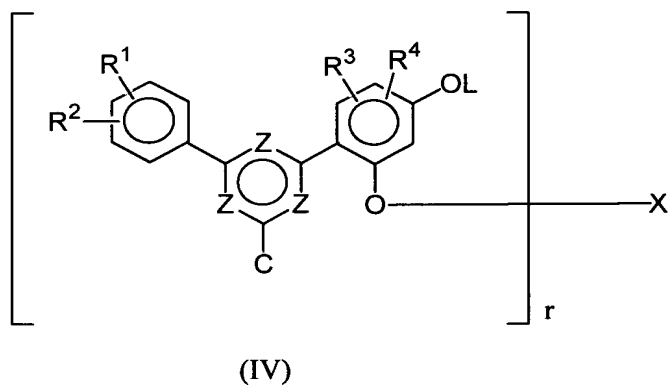


r is 2 and D is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-, wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring wherein the carbonyl groups are meta or para to each other;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine; and

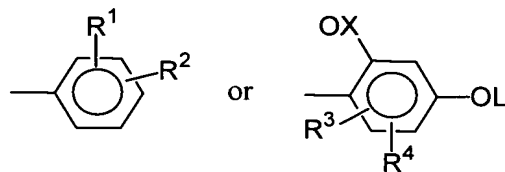
R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

compound (IV) has the structure:



wherein each Z is nitrogen;

C is



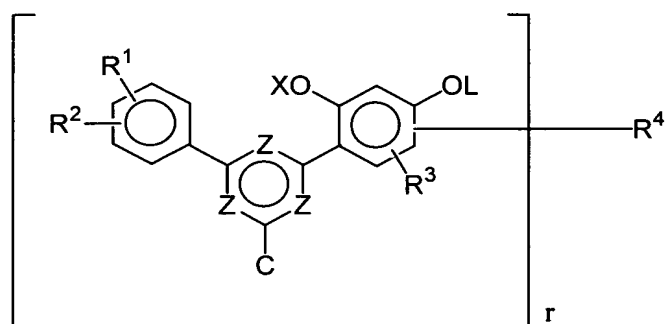
wherein r is 2 and X' is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-,
 wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring
 wherein the carbonyl groups are meta or para to each other;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons
 wherein one or more of the hydrogens in the alkyl chain may optionally be
 substituted with an ~~an~~ the nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally
 interrupted by one or more oxygen atoms, has one or more of hydrogens in the
 alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl
 functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y and R^x
 and R^y are independently hydrogen or an alkyl group of between 1 and 8
 carbons that optionally may have one or more of the hydrogens substituted for
 by a hydroxyl group;

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl
 and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to
 each other;

and compound (V) has the structure:

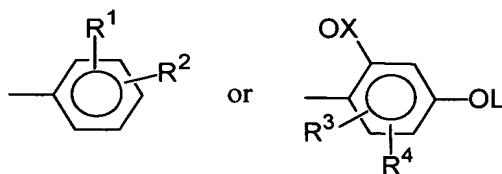


(V)

wherein each Z is nitrogen;

X is defined above; ~~as defined in claim 1~~;

C is



r is 2;

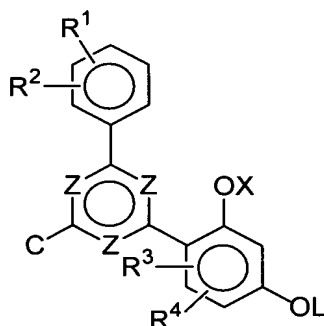
R⁴ is -CH₂-;

R³ is selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group; and

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other.

57. (currently amended): A cosmetic composition comprising a sufficient amount of at least one compound of formula (II) - (V), wherein compound (II) has the structure:



wherein each Z is nitrogen;

X is as defined in claim 1 hydrogen or a blocking group selected from -COR^a, -SO₂R^b, -SiR^cR^dR^e, -PR^fR^g, -POR^fR^g, and -CONHR^h, wherein

R^a is a C₁-C₈ alkyl, halogen-substituted C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, C₁-C₁₂ alkoxy, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl;

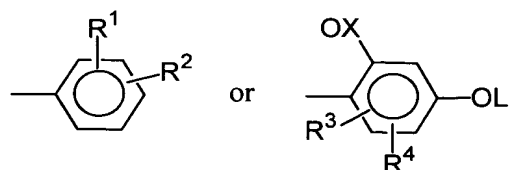
R^b is a C₁-C₁₂ alkyl, C₆-C₁₀ aryl and C₇-C₁₈ alkylaryl;

R^c, R^d, and R^e is independently selected from C₁-C₈ alkyl, cyclohexyl, phenyl or C₁-C₈ alkoxy.

R^f , and R^g is independently selected from C_1 - C_{12} alkoxy, C_1 - C_{12} alkyl, C_5 - C_{12} cycloalkyl, and phenyl or phenoxy which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_1 - C_4 alkoxy, halogen or benzyl; and

R^h is a C_1 - C_8 alkyl, C_5 - C_{12} cycloalkyl, C_2 - C^8 alkenyl, $-\text{CH}^2-\text{CO}-\text{CH}^3$, or phenyl which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_2 - C_8 alkenyl, C_1 - C_4 alkoxy, halogen or benzyl;

C is

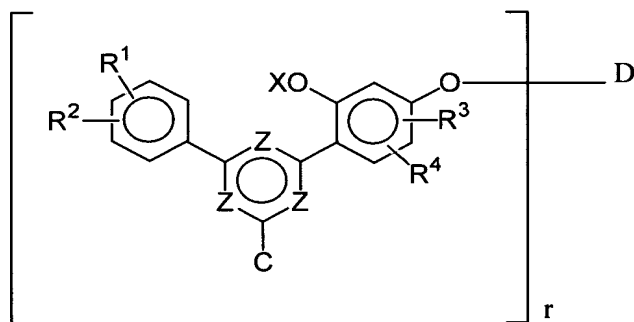


L is an alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure $-\text{CO}-\text{M}$, wherein M is a OR^x , NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group;

R^3 and R^4 is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ ~~the~~ nitrogen of an amine; and

each R^1 and R^2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl and R^1 and R^2 are attached to an aromatic benzene ring so that they are ortho to each other;

compound (III) has the structure:

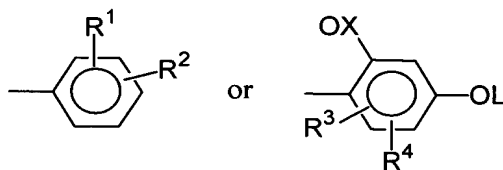


(III)

wherein each Z is nitrogen;

X is defined above; ~~as defined in claim 1;~~

C is

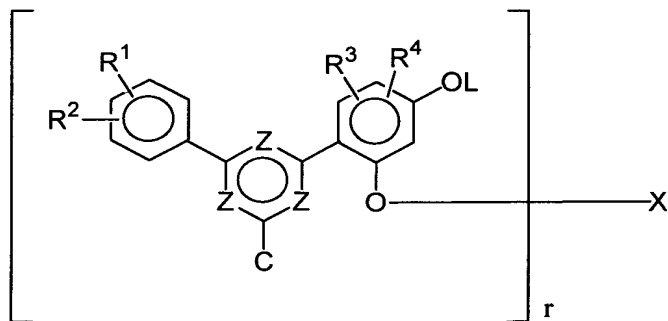


r is 2 and D is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-, wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring wherein the carbonyl groups are meta or para to each other;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an am the a nitrogen of an amine; and

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

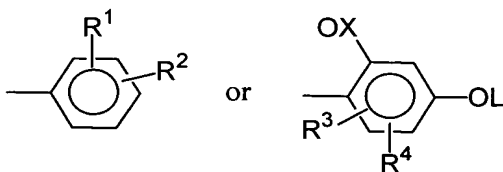
compound (IV) has the structure:



(IV)

wherein each Z is nitrogen;

C is



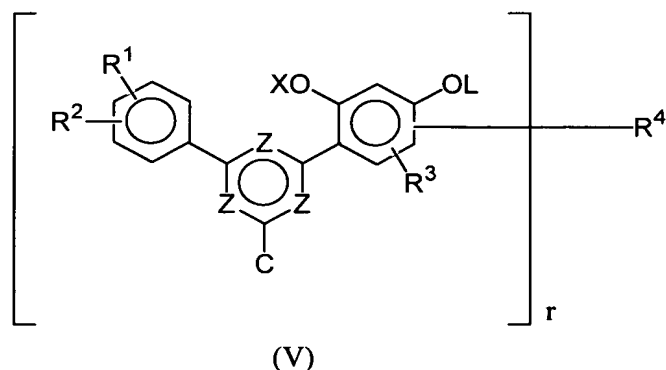
wherein r is 2 and X' is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-, wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring wherein the carbonyl groups are meta or para to each other;

R^3 and R^4 is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure $-CO-M$, wherein M is a OR^x , NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group;

R^1 and R^2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl and R^1 and R^2 are attached to an aromatic benzene ring so that they are ortho to each other;

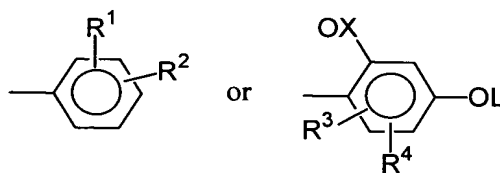
and compound (V) has the structure:



wherein each Z is nitrogen;

X is defined above: ~~as defined in claim 1;~~

C is



r is 2;

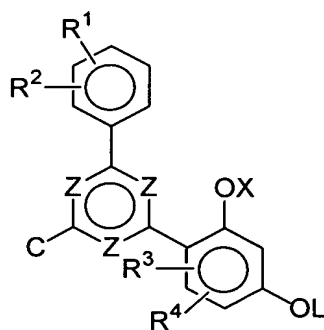
R^4 is $-CH_2-$;

R^3 is selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with ~~an~~^{the} nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure $-CO-M$, wherein M is a OR^x , NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group; and

R^1 and R^2 is individually a C_1 to C_{10} straight chain alkyl, branched alkyl, or cycloalkyl and R^1 and R^2 are attached to an aromatic benzene ring so that they are ortho to each other.

58. (currently amended): A method of stabilizing a material that is subject to at least one of photo or thermal degradation by incorporating into or onto the material an amount of one or more stabilizer compositions in an amount effective to stabilize the material against at least one of photo or thermal degradation, wherein the stabilizer composition comprises one or more compounds of structure (II) - (V), wherein compound (II) has the structure:



(II)

wherein each Z is nitrogen;

~~X is as defined in claim 1~~ hydrogen or a blocking group selected from $-COR^a$, $-SO_2R^b$, $-SiR^cR^dR^e$, $-PR^fR^g$, $-POR^fR^g$, and $-CONHR^h$, wherein

R^a is a C_1 - C_8 alkyl, halogen-substituted C_1 - C_8 alkyl, C_5 - C_{12} cycloalkyl, C_2 - C_8 alkenyl, $-CH_2-CO-CH_3$, C_1 - C_{12} alkoxy, and phenyl or phenoxy which is unsubstituted or substituted by C_1 - C_{12} alkyl, C_1 - C_4 alkoxy, halogen or benzyl;

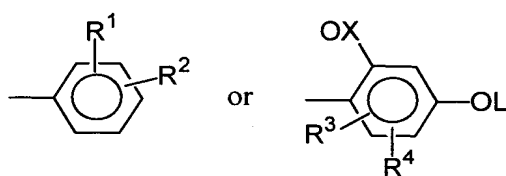
R^b is a C₁-C₁₂ alkyl, C₆-C₁₀ aryl and C₇-C₁₈ alkylaryl;

R^c, R^d, and R^e is independently selected from C₁-C₈ alkyl, cyclohexyl, phenyl or C₁-C₈ alkoxy,

R^f, and R^g is independently selected from C₁-C₁₂ alkoxy, C₁-C₁₂ alkyl, C₅-C₁₂ cycloalkyl, and phenyl or phenoxy which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₁-C₄ alkoxy, halogen or benzyl; and

R^h is a C₁-C₈ alkyl, C₅-C₁₂ cycloalkyl, C₂-C₈ alkenyl, -CH₂-CO-CH₃, or phenyl which is unsubstituted or substituted by C₁-C₁₂ alkyl, C₂-C₈ alkenyl, C₁-C₄ alkoxy, halogen or benzyl;

C is

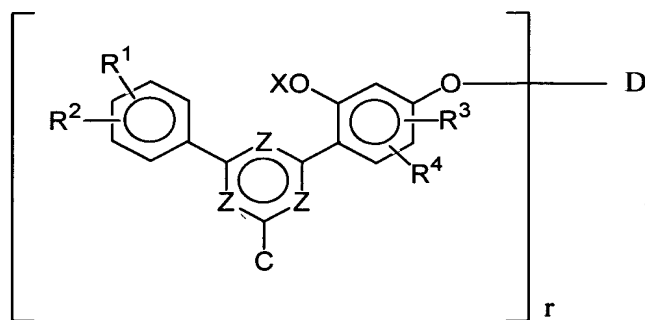


L is an alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine; and

each R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

compound (III) has the structure:

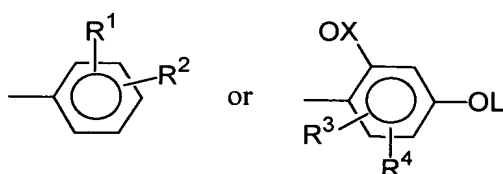


(III)

wherein each Z is nitrogen;

X is defined above: as defined in claim 1;

C is

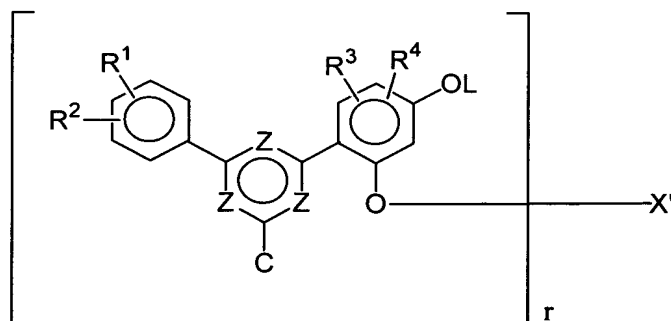


r is 2 and D is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-, wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring wherein the carbonyl groups are meta or para to each other;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with an ~~an~~ the nitrogen of an amine; and

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other;

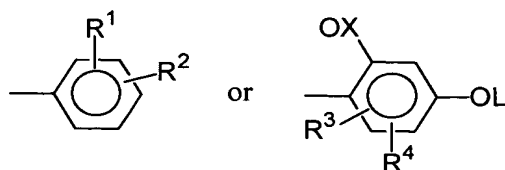
compound (IV) has the structure:



(IV)

wherein each Z is nitrogen;

C is



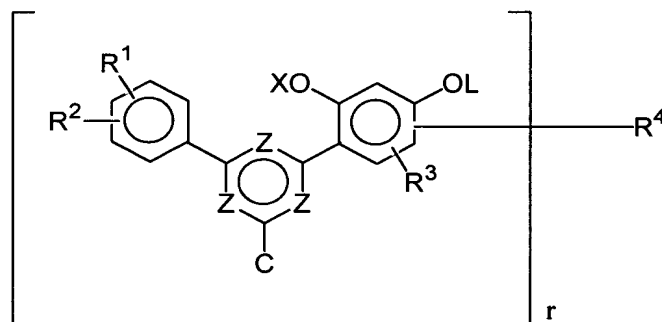
wherein r is 2 and X' is an alkyl chain of between 1 and 10 carbons or -CO-P-CO-,
 wherein P is an alkyl chain of between 1 and 10 carbons or a benzene ring
 wherein the carbonyl groups are meta or para to each other;

R³ and R⁴ is independently selected from hydrogen, and an alkyl of 1 to 8 carbons
 wherein one or more of the hydrogens in the alkyl chain may optionally be
 substituted with an ~~an~~ the nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally
 interrupted by one or more oxygen atoms, has one or more of hydrogens in the
 alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl
 functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y and R^x
 and R^y are independently hydrogen or an alkyl group of between 1 and 8
 carbons that optionally may have one or more of the hydrogens substituted for
 by a hydroxyl group;

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl
 and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to
 each other;

and compound (V) has the structure:

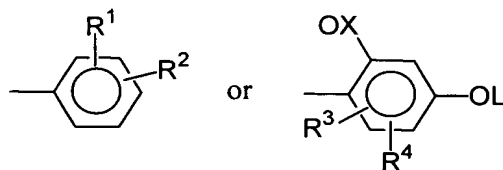


(V)

wherein each Z is nitrogen;

X is defined above: ~~as defined in claim 1;~~

C is



r is 2;

R⁴ is -CH₂-;

R³ is selected from hydrogen, and an alkyl of 1 to 8 carbons wherein one or more of the hydrogens in the alkyl chain may optionally be substituted with ~~an~~the nitrogen of an amine;

L is alkyl chain of between 1 and 20 carbons, wherein the alkyl chain is optionally interrupted by one or more oxygen atoms, has one or more of hydrogens in the alkyl chain substituted for by a hydroxyl group, or terminates with a carbonyl functionality of general structure -CO-M, wherein M is a OR^x, NR^xR^y and R^x and R^y are independently hydrogen or an alkyl group of between 1 and 8 carbons that optionally may have one or more of the hydrogens substituted for by a hydroxyl group; and

R¹ and R² is individually a C₁ to C₁₀ straight chain alkyl, branched alkyl, or cycloalkyl and R¹ and R² are attached to an aromatic benzene ring so that they are ortho to each other.

59. (original): The method of claim 58, wherein the stabilizer composition is incorporated in an amount of from about 0.01 to about 20 percent by weight of the material to be stabilized.

60. (original): The method of claim 58, wherein the material to be stabilized is polymeric.

61. (original): The method of claim 60, wherein the polymeric material is selected from the group consisting of polyolefins; polyesters; polyethers; polyketones; polyamides; natural and synthetic rubbers; polyurethanes; polystyrenes; high-impact polystyrenes; polyacrylates; polymethacrylates; polyacetals; polyacrylonitriles; polybutadienes; polystyrenes; ABS; SAN (styrene acrylonitrile); ASA (acrylate styrene acrylonitrile); cellulosic acetate butyrate;

cellulosic polymers; polyimides; polyamideimides; polyetherimides; polyphenylsulfides; PPO; polysulfones; polyethersulfones; polyvinylchlorides; polycarbonates; polyketones; aliphatic polyketones; thermoplastic TPO's; aminoresin crosslinked polyacrylates and polyesters; polyisocyanate crosslinked polyesters and polyacrylates; phenol/formaldehyde, urea/formaldehyde, and melamine/formaldehyde resins; drying and non-drying alkyd resins; alkyd resins; polyester resins; acrylate resins cross-linked with melamine resins, urea resins, isocyanates, isocyanurates, carbamates, and epoxy resins; cross-linked epoxy resins derived from aliphatic, cycloaliphatic, heterocyclic and aromatic glycidyl compounds which are cross-linked with anhydrides or amines; polysiloxanes; Michael addition polymers of amines or blocked amines with activated unsaturated and methylene compounds, ketimines with activated unsaturated and methylene compounds, polyketimines in combination with unsaturated acrylic polyacetoacetate resins, and polyketimines in combination with unsaturated acrylic resins; radiation curable compositions; epoxymelamine resins; organic dyes; cosmetic products; cellulose-based paper formulations; photographic film paper; ink; and blends thereof.

62. (original): The method of claim 58, wherein the one or more compounds is incorporated into the polymer by chemical bonding during and/or subsequent to the preparation of the polymer.

63. (original): The method of claim 58, wherein the material has one or more surfaces and the stabilizer composition is applied to at least one surface of the material.

64. (original): The method of claim 63, wherein the stabilizer composition is part of a coating that is applied to the at least one surface of the material

65. (original): The method of claim 63, wherein the material is metallic, wood, ceramic, polymeric, or a fiber material.

66. (original): The method of claim 58, further comprising chemically bonding the one or more compounds to the material.

67. (original): The method of claim 66, further comprising forming the material into a fiber.

68. (original): The method of claim 66, wherein the material is selected from the group consisting of silk, leather, wool, polyamide, polyurethane, cellulose-containing fibers, and blends thereof.

69. (original): The method of claim 58, wherein the material is a photographic material.

70. (original): The method of claim 58, wherein the material is a cosmetic composition.

71. (cancelled)